

COMMONWEALTH OF AUSTRALIA

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Family Name	
Given Names	
Student Number	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Teaching Period	Semester 2, 2016

FINAL EXAMINATION	DURATION
BIS243 – Organisational Security	
	Reading Time: 10 minutes
	Writing Time: 120 minutes

INSTRUCTIONS TO CANDIDATES

Section A - The section has one question. The section is worth 10 marks. You must answer this question.

Section B - Answer any 5 of 7 questions. Each question is worth 8 marks. The section is worth 40 marks. In each question part A is worth 4 marks and Part B is worth 4 marks.

Students must answer both sections.

EXAM CONDITIONS

You may begin writing from the commencement of the examination session. The reading time indicated above is provided as a guide only.

This is a CLOSED BOOK examination

No calculators are permitted

No handwritten notes are permitted

No dictionaries are permitted

ADDITIONAL AUTHORISED MATERIALS	EXAMINATION MATERIALS TO BE SUPPLIED
No additional printed material is permitted	1 x 16 Page Book

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DOUBLE-SIDED.**

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Section A

The section has one question. The section is worth 10 marks. You must answer this question.

Question A1.

Differentiate between Policies and Standards in any organization. Assume that an organisation is planning to build an automated server room. Describe what physical control measures you will take to avoid any break-ins into the server room.

Section B

Answer any 5 of 7 questions. Each question is worth 8 marks. The section is worth 40 marks. In each question part A is worth 4 marks and Part B is worth 4 marks.

Question B1.

- A. Explain the stages involved in SecSDLC(Secure Software Development Life Cycle) with detailed diagram.
- B. Briefly explain the three components of Risk Management.

Question B2.

- A. Explain the term "Threat" in Information Security. Briefly explain any four (4) threats with examples.
- B. Explain the three critical characteristics of Information Security.

Question B3.

- A. What are the key aspects that need to be considered while planning for security that can reduce 85% of security related issues in an organisation?
- B. Briefly explain about Digital Millennium Copyright Act (DMCA). How is it applicable to Australians?

Question B4.

- A. The spheres of security are the foundation of the security framework in any organisation. With the help of a diagram briefly explain the spheres of security.
- B. Explain with examples how an application layer firewall is different from a packet-filtering firewall.

Question B5.

- A. Explain briefly any four (4) differences between network-based IDPS (Intrusion Detection and Prevention System) and host-based IDPS.
- B. Vulnerability scanners are used assess computers, computer systems, networks or applications for weaknesses and it can be broadly classified into two types – active and passive. Briefly explain the key differences between active and passive vulnerability scanners.

Question B6.

- A. Explain the usage of steganography in securing messages.
- B. Explain the six (6) components of Public Key Infrastructure (PKI).

Question B7.

- A. Explain how separation of duties can be used to improve an organisation's information security practices.
- B. List and describe the options available for the location of the “Information Security” functions within organisation. Discuss the advantages and disadvantages of each option.

!End of questions!